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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/807,175	03/24/2004	Shuji Koike	021248A	4202	
23850 7	7590 08/20/2004		EXAMINER		
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP			PHAM, HAI CHI		
1725 K STREI SUITE 1000	ET, NW		ART UNIT	PAPER NUMBER	
	ON, DC 20006	OC 20006		2861	
			DATE MAILED: 08/20/200	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

				KE
	Applica	tion No.	Applicant(s)	
	10/807,	175	KOIKE ET AL.	
Office Action Summary	Examin	er	Art Unit	
	Hai C P		2861	
The MAILING DATE of this comm Period for Reply	unication appears on t	he cover sheet with the	correspondence add	lress
A SHORTENED STATUTORY PERIOD THE MAILING DATE OF THIS COMMU - Extensions of time may be available under the provisis after SIX (6) MONTHS from the mailing date of this co - If the period for reply specified above is less than thirty - If NO period for reply is specified above, the maximum - Failure to reply within the set or extended period for re Any reply received by the Office later than three montle earned patent term adjustment. See 37 CFR 1.704(b)	NICATION. ons of 37 CFR 1.136(a). In no mmunication. ((30) days, a reply within the s a tatutory period will apply and ply will, by statute, cause the a us after the mailing date of this	event, however, may a reply be tile atutory minimum of thirty (30) day will expire SIX (6) MONTHS from pplication to become ABANDONE	nely filed vs will be considered timely. the mailing date of this cor CD (35 U.S.C. § 133).	
Status				
1) Responsive to communication(s)	filed on .			
2a)☐ This action is FINAL .	2b)⊠ This action is	non-final.		
3) Since this application is in condition closed in accordance with the pra		· · · · · · · · · · · · · · · · · · ·		merits is
Disposition of Claims				
4) ☐ Claim(s) 6-9 is/are pending in the 4a) Of the above claim(s) is 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 6 is/are rejected. 7) ☐ Claim(s) 7-9 is/are objected to. 8) ☐ Claim(s) are subject to res Application Papers 9) ☐ The specification is objected to by	triction and/or election			
10) The drawing(s) filed on is/a		h)□ objected to by the	Examiner	
Applicant may not request that any of				
Replacement drawing sheet(s) included the control of the control o	ing the correction is requ	uired if the drawing(s) is ol	ojected to. See 37 CF	
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a cla a) All b) Some * c) None of 1. Certified copies of the prior 2. Certified copies of the prior 3. Copies of the certified copie application from the Internation * See the attached detailed Office ac	: ity documents have b ity documents have b es of the priority docu ttional Bureau (PCT R	een received. een received in Applicat ments have been receiv ule 17.2(a)).	tion No red in this National s	Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review 3) Information Disclosure Statement(s) (PTO-1448) Paper No(s)/Mail Date 03/24/04.		4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:	oate	1-152)

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 2. Claim 6 is rejected under 35 U.S.C. 102(a) as being anticipated by Matsuzawa (JP 11-227196).

Matsuzawa, an acknowledged prior art, discloses a multi-nozzle ink jet head having a plurality of nozzles, comprising a head substrate (nozzle plate 10) in which are formed said plurality of nozzles and a plurality of pressure chambers (9), a diaphragm (2) that comprises a common electrode layer (3) and a rigid layer (2) and covers each of said plurality of pressure chambers, a plurality of piezoelectric elements (4) provided on said diaphragm in correspondence with said pressure chambers, and a plurality of individual electrodes (5) provided on said piezoelectric elements in correspondence with said piezoelectric elements in correspondence with said piezoelectric elements. Matsuzawa further teaches the thickness of the common electrode being made thinner in the periphery of the piezoelectric elements such that the resistance becomes lower (see attached English translation).

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Allowable Subject Matter

3. Claims 7-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. The following is a statement of reasons for the indication of allowable subject matter: the primary reason for the indication of the allowability of claim 7 is the inclusion therein of the limitation "said common electrode layer has a plurality of earth contacts" in combination with "wherein a low-resistance layer is provided on said common electrode layer in a position parallel to a row of said piezoelectric elements" s currently claimed, which are not found taught the prior art of record considered alone or in combination.

Claims 8 and 9 are allowable because they are directly/indirectly dependent from claim 7 above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai C Pham whose telephone number is (571) 272-2260. The examiner can normally be reached on M-F 8:30AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen D Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HAI PHAM
PRIMARY EXAMINER
August 18, 2004

Harchithan